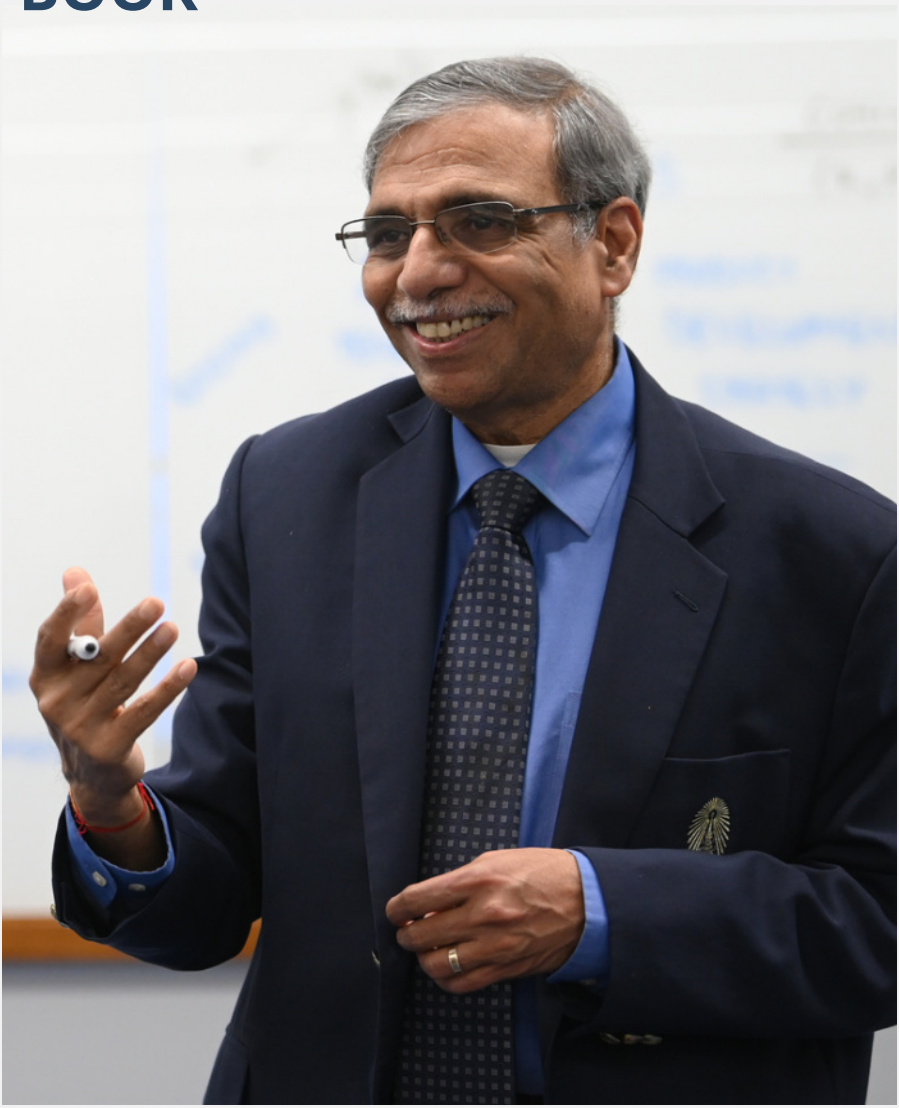
Jio Institute
LEARNING FOR LIFE

FACULTY
BOOK



www.jioinstitute.edu.in

Destination for Beautiful Minds

“Education is all about igniting young minds and enabling them to attain their fullest potential.”

Smt. Nita Ambani
Founder Chairperson,
Reliance Foundation Institution of
Education & Research



“Reliance wants to build an institution that will strengthen its mission to empower young Indians, and young people from across the globe, to develop solutions for a sustainable and better future for mankind.”

Shri Mukesh Ambani
Chairman and Managing Director, Reliance Industries Limited



About Jio Institute

AJio Institute is a multidisciplinary higher education and research institution set up as a philanthropic initiative by Reliance Industries Limited and Reliance Foundation. The Institute is dedicated to the pursuit of excellence by bringing together global scholars and thought leaders, and providing an enriching student experience through world-class education and a culture of research and innovation.

Jio Institute's founders' transformational precedents across sectors and their unwavering faith in the potential of India's youth form the core of Institute's initiatives. The Institute aims to nurture the spirit of entrepreneurship and provide a platform for the realization of aspirations of the youth of today.

Jio Institute Vision

Our founders Smt. Nita Ambani, Founder Chairperson, Reliance Foundation, and Shri Mukesh Ambani, Chairman and Managing Director, Reliance Industries Limited, firmly believe in the power of the youth to transform India.

It is this belief that has driven the conceptualization and setting up of Jio Institute.

Jio Institute aims to

- Be an exemplary Indian academic institution with international repute.
- Build a vibrant ecosystem for research, innovation and entrepreneurship.
- Be India's test bed for frontier research and invention of future technologies.
- Prepare the next generation of leaders and entrepreneurs through holistic development.
- Significantly contribute to the advancement of the Indian society.
- Solve India's problems and solve them fast.
- Provide a lifelong learning experience.


Jio Institute



Dr. Partha Krishnamurthy

Consumer Insights

Larry J. Sachnowitz Professor of Marketing, Director of the Institute for Health Care Marketing, University of Houston, USA

Dr. Partha Krishnamurthy

Larry J. Sachnowitz Professor of Marketing, Director of the Institute for Health Care Marketing, University of Houston, USA

Dr. Krishnamurthy's primary research interest is consumer behaviour and decision-making, especially in the context of health decisions.

His work has been published in a variety of peer-reviewed journals such as Journal of Consumer Research, Marketing Science, Organizational Behavior and Human Decision Processes, PLOS One, Pain Physician, Pain Reports, Journal of Medical Internet Marketing, among others.

Dr. Krishnamurthy consults with a variety of organizations, including the Food and Drug Administration, Stanford University and various start-ups, primarily focusing on statistical modelling of data and/or customer-focused study designs.



Dr. Frank Mulhern

Marketing in a Digital Age

Associate Dean of Research and Executive Director of Academic Programs in San Francisco, Medill School of Journalism, Northwestern University, USA

Dr. Frank Mulhern

Associate Dean of Research and Executive Director of Academic Programs in San Francisco, Medill School of Journalism, Northwestern University, USA

Dr. Mulhern holds the prestigious Hamad bin Khalifa Al-Thani Chair at Medill. His research focuses on the economics of marketing, the impact of media technology on marketing communications, and the role of employees in customer experiences.

Dr. Mulhern contributes regularly to international journals such as Journal of Marketing, Journal of Marketing Communications, Journal of Retailing, International Journal of Research in Marketing, Journal of Interactive Marketing and Journal of Business Research. He is also a co-author of the textbook titled Marketing Communications: Integrated Theory, Strategy, and Tactics.

Dr. Mulhern is also regularly invited to speaks at corporations and universities, and teach courses for executive education programmes in the US, Europe and Asia. He was previously on the faculty at the Smeal College of Business Administration, Pennsylvania State University. He earned his PhD. in Marketing from the McCombs School of Business, University of Texas at Austin.



Dr. Denish Shah

Digital and Social Media Marketing

Barbara and Elmer Sunday Associate Professor of Marketing, Founding Director of the Social Media Intelligence Lab, Director of the Marketing (CMO) RoundTable, Georgia State University, USA

Dr. Denish Shah

Barbara and Elmer Sunday Associate Professor of Marketing, Founding Director of the Social Media Intelligence Lab, Director of the Marketing (CMO) RoundTable, Georgia State University, USA

Dr. Shah's research focuses on linking marketing strategies to the financial performance of firms. His research approach entails developing new conceptual frameworks or conducting quantitative analyses to develop data-driven managerial insights.

His work has been published in top journals such as the Journal of Marketing Research, Harvard Business Review, Marketing Science, Journal of Marketing, Sloan Management Review, and has won several prestigious awards, such as the Paul Root Award, ISMS Practice-Prize Award, and the Robert D. Buzzell best paper award. He is the co-editor of the book 'Handbook of Research on Customer Equity in Marketing'.

Dr Shah is a 2015 MSI Young Scholar and recipient of seven teaching excellence awards. In 2018, he was awarded the Varadarajan Award. Previously, Dr. Shah worked for multinational consulting firms in the USA and India and has a rich experience of working on consulting projects involving different industry verticals.



Dr. Raj Sethuraman

Quantitative Methods

Harold Simmons Distinguished Professor and the Executive Director of the Center for Marketing Management Studies, Southern Methodist University, Dallas, Texas, USA

Dr. Raj Sethuraman

Harold Simmons Distinguished Professor and the Executive Director of the Center for Marketing Management Studies, Southern Methodist University, Dallas, Texas, USA

Dr. Sethuraman received his PhD in marketing from Kellogg Graduate School of Management, Northwestern University, and his research focuses on national brandstore brand competition, price-advertising strategies and brand equity. He has taught several marketing courses, written many cases in marketing and introduced several online teaching tools, for which he was awarded the Eugene Byrne teaching innovation award in 2010.

He has published articles in leading journals and won many research awards. He is currently editor-in-chief of the Journal of Retailing and has served as editorial/advisory board member for other journals including the Journal of Marketing Research, Marketing Science and so on.

Dr. Sethuraman also consults for commercial and nonprofit organizations, including Samsung Telecommunications, KPMG, and the Center for Nonprofit Management. He is also the founder-president of Charity through Art (CHAART) Foundation, a nonprofit dedicated to raising money for the underprivileged by organizing music and dance performances.



Dr. Prashant Malaviya

Strategic Brand Management

Professor of Marketing and Senior Associate Dean, MBA Programs, McDonough School of Business, Georgetown University, USA

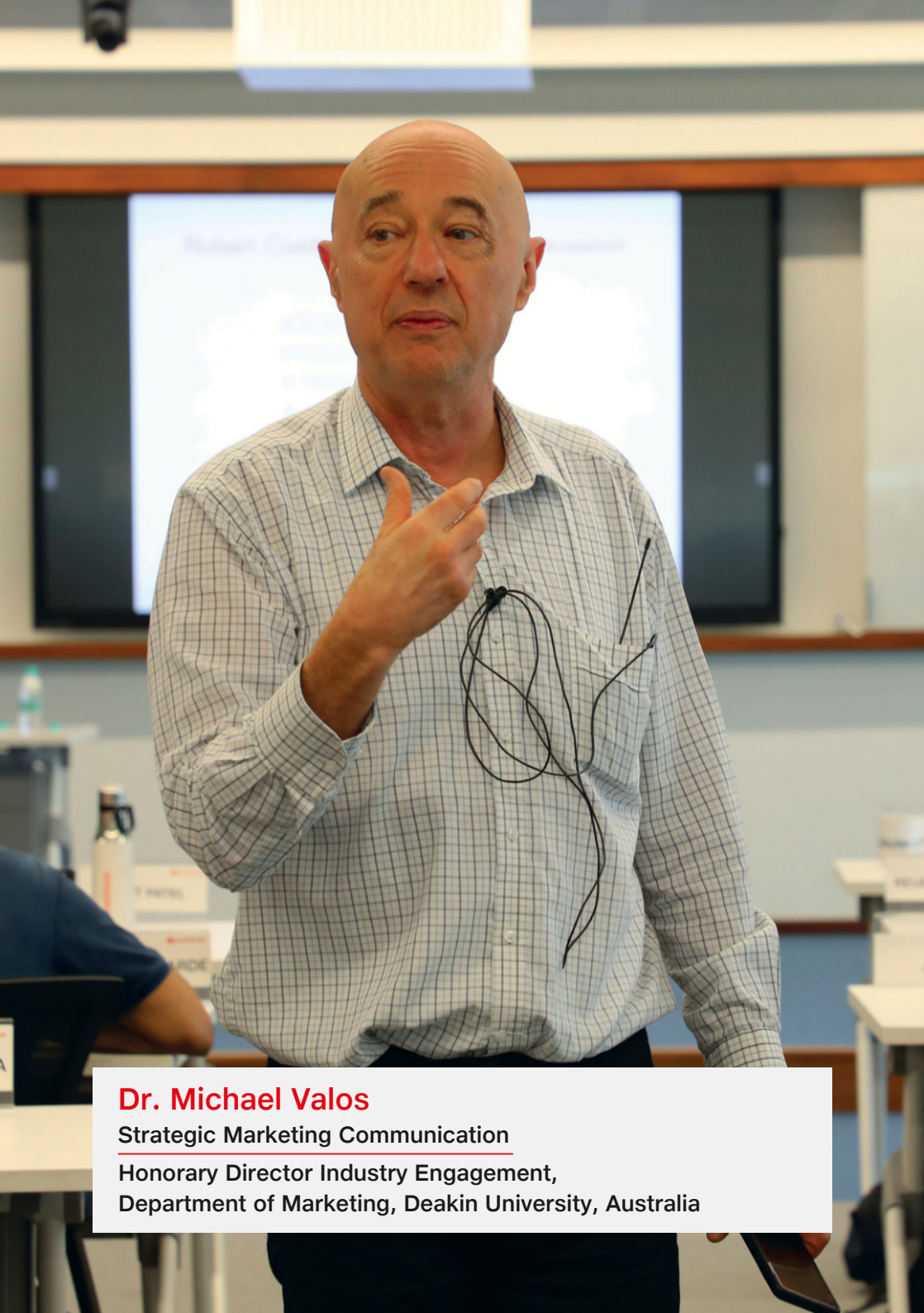
Dr. Prashant Malaviya

Professor of Marketing, Senior Associate Dean, MBA Programs, McDonough School of Business, Georgetown University, USA

Dr. Malaviya is a consumer psychologist by training and his research focuses on understanding how consumers use information to make product judgments and consumption decisions. His research insights have been published in leading marketing journals such as Journal of Consumer Research, Journal of Consumer Psychology, Journal of Marketing Research, Psychology & Marketing and so on.

Dr. Malaviya has also taught courses on brand management, marketing strategy, consumer behaviour and related topics at INSEAD, France; University of Illinois, Chicago; Wharton School, UK; ALBA Graduate Business School, Greece; and at the Kellogg School of Management, USA.

Currently, he serves on the editorial review board of the Journal of Consumer Research and the Journal of Consumer Psychology. Malaviya holds a PhD in Marketing, with a minor in Social Psychology, from the Kellogg School, Northwestern University, and an MBA from the Faculty of Management Studies, University of Delhi.



Dr. Michael Valos

Strategic Marketing Communication

Honorary Director Industry Engagement,
Department of Marketing, Deakin University, Australia

Dr. Michael Valos

Honorary director industry engagement, Department of Marketing, Deakin University, Australia

Dr. Valos's research has focused on multi-channel marketing, marketing communications, programmatic media buying, digital marketing and social media. His work has appeared in a number of scholarly journals, including the Journal of Marketing Management, The Journal of Strategic Marketing and the European Business Review. He is the co-author of two textbooks on integrated marketing communications.

Dr. Valos earned his PhD at Monash University, Melbourne, Australia, and has taught many marketing courses, including Consumer Behaviour, Marketing Management, Product Management, Market Research, Marketing Planning, etc., going on to win the Best Postgraduate Teacher award in 2022 for Integrated Marketing Communications.

He conducts approximately 12 focus groups annually with senior marketers from blue-chip organizations such as Singapore Airlines, National Australia Bank, NBN, Unisuper, BP, etc., on topical marketing trends and issues. This informs his teaching magazine articles and university course curricula.



Mr Dominic D'Souza

Media Ethics & Policy

Head Legal (Consultant) at Balaji Telefilms Ltd.

Mr. Dominic D'Souza

Head Legal (Consultant) at Balaji Telefilms Ltd.

Mr. D'Souza is a legal professional with over two decades of experience and expertise in the media and entertainment industry. Presently, he is also Vice Chair at the Indian National Association of Legal Professionals. Over the years, he has worked with several national and international production houses and broadcast channels such as STAR, Disney, ZEE, UT, Hinduja Ventures Ltd, to name a few. In recognition of his contribution in the field of intellectual property, the World Intellectual Property Forum has recognized him as one of the 'Best Leading Lawyer 2022' who have built a successful career in legal.

Mr. D'Souza is considered a source of authority with reference to Indian governmental bodies and industry trade bodies in the media, IP, the broadcasting and telecom regulatory sectors. He is associated with various educational institutions and has been a part of various national and APAC IPR summits and conferences.



Dr. Harsh Taneja

Media Economics

Associate Professor, University of Illinois at Urbana Champaign, USA

Dr. Harsh Taneja

Associate Professor, University of Illinois at Urbana Champaign, USA

Dr. Taneja comes with several years of experience working in the media and advertising industry, and has been associated with Publicis Media, BBC Global News and the Indian Express newspapers in various capacities. He was also an assistant professor at the Missouri School of Journalism, University of Missouri.

His research interest focuses on explaining audience behaviour in an increasingly fragmented digital media environment and how measurement dynamics shape audiences, media and popular culture.



Mr. Abhishek Hariharan

Creative Brand Building

Brand Strategy & Communications Consultant

Mr Abhishek Hariharan

Brand Strategy & Communications Consultant

Mr Hariharan is an advertising professional with over 15 years of experience working with agencies like Ogilvy, MullenLowe, Lintas & Leo Burnett. His last stint was as Head of Strategy at MullenLowe in Sri Lanka, where he led the agency effort to win EFFIE Sri Lanka Agency of the Year as well as Campaign Magazine Agency of the Year for two years in a row.

As a brand communications strategist, he has worked on major brands like Thums Up, Maaza, Lifebuoy, Surf Excel, Clinic Plus, Asian Paints, among others. Keen on sharing his experience with students and youngsters, he is frequently invited for guest lectures at Goa Institute of Management, Sophia College and Wilson College. He is a graduate of MICA, Ahmedabad.



Mr. Nitesh Mohanty

Content Creation & Storytelling

Educator, Design Consultant & Visual Artist

Mr Nitesh Mohanty

Educator, Design Consultant & Visual Artist

Mr Mohanty is a visual artist and a design consultant to various brands across retail, fashion, media, publishing and hospitality industries. Over the last 16 years, he has worked with clients such as Mocha Coffees and Conversation, Shoppers' Stop, Penguin Books India, Rolling Stones, Smoke House Grill, Films Division, Oxfam India, Amnesty International, etc.

Mr Mohanty is also the co-founder of 'The Root', a platform initiated to propagate various social, cultural, political and ecological concerns through different literary and creative mediums. He curated 'The Root Reel', which showcased independent features, documentaries, world cinema and animation films from closer home and worldwide. He is also a visiting faculty at the School of Media and Culture Studies, TISS; Srishti Manipal Institute of Art, Design, and Technology; and FTII.

Mr Mohanty graduated from Sir J.J. School of Art, Bombay, followed by a postgraduation in textile design from NID, Ahmedabad.



Pratibha Vinayak
Media Planning & Buying
Adjunct Professor at MICA

Pratibha Vinayak

Adjunct Professor at MICA

Ms Vinayak has over 35 years of experience covering virtually every area of communication and media, ranging from communication strategy, publishing, strategic media planning and buying to broadcasting, research, public relations, corporate PR and training. Her experience extends across a wide range of industries as well, covering FMCG, personal care, foods and beverages, telecom, finance and investment, home durables, automotive, confectioneries, travel, jewelry and luxury goods.

She has worked with leading companies like the Reader's Digest, JWT, Mindshare, Sony Television and Carat Media. She pioneered new buying practices to improve efficiencies vastly when she took charge of the media buying function for the Unilever Media AOR at Mindshare Fulcrum. She helped set up the Aditya Birla Group Media AOR, the second-largest AOR at Mindshare after Unilever and later managed a corporate role, managing and developing talent. She has over 10 years teaching experience as adjunct faculty at MICA.



Dr. Seshadri Tirunillai

Digital Media Metrics & Analytics

Associate Professor - Marvin Hurley Professor of Marketing & Entrepreneurship

Dr. Seshadri Tirunillai

Associate Professor - Marvin Hurley Professor of Marketing & Entrepreneurship
Adjunct Faculty, Digital Media Metrics & Analytics Course

Dr. Seshadri's research interests are related to social media (user-generated content), advertising, marketing strategy, and sales. His past honours include the O'Dell Award (2019) for the Journal of Marketing Research article published the last five years that has made the most significant, long-term contribution to marketing theory, methodology, and/or practice; Lehmann Award (2015) for best paper based on dissertation in Journal of Marketing/Journal of Marketing Research; John A. Howard/AMA Doctoral Dissertation Award (2012); and best paper based on doctoral dissertation at European Marketing Conference (2009). He was a finalist for the Marketing Science Institute-Paul Root Award (2020), Bass Dissertation award (2014, INFORMS Marketing Science) and an honorable mention in Shankar-Spiegel Award (2008), instituted by Marketing EDGE (formerly Direct Marketing Educators Foundation).



Mr. Anurag Mishra

B2B Marketing

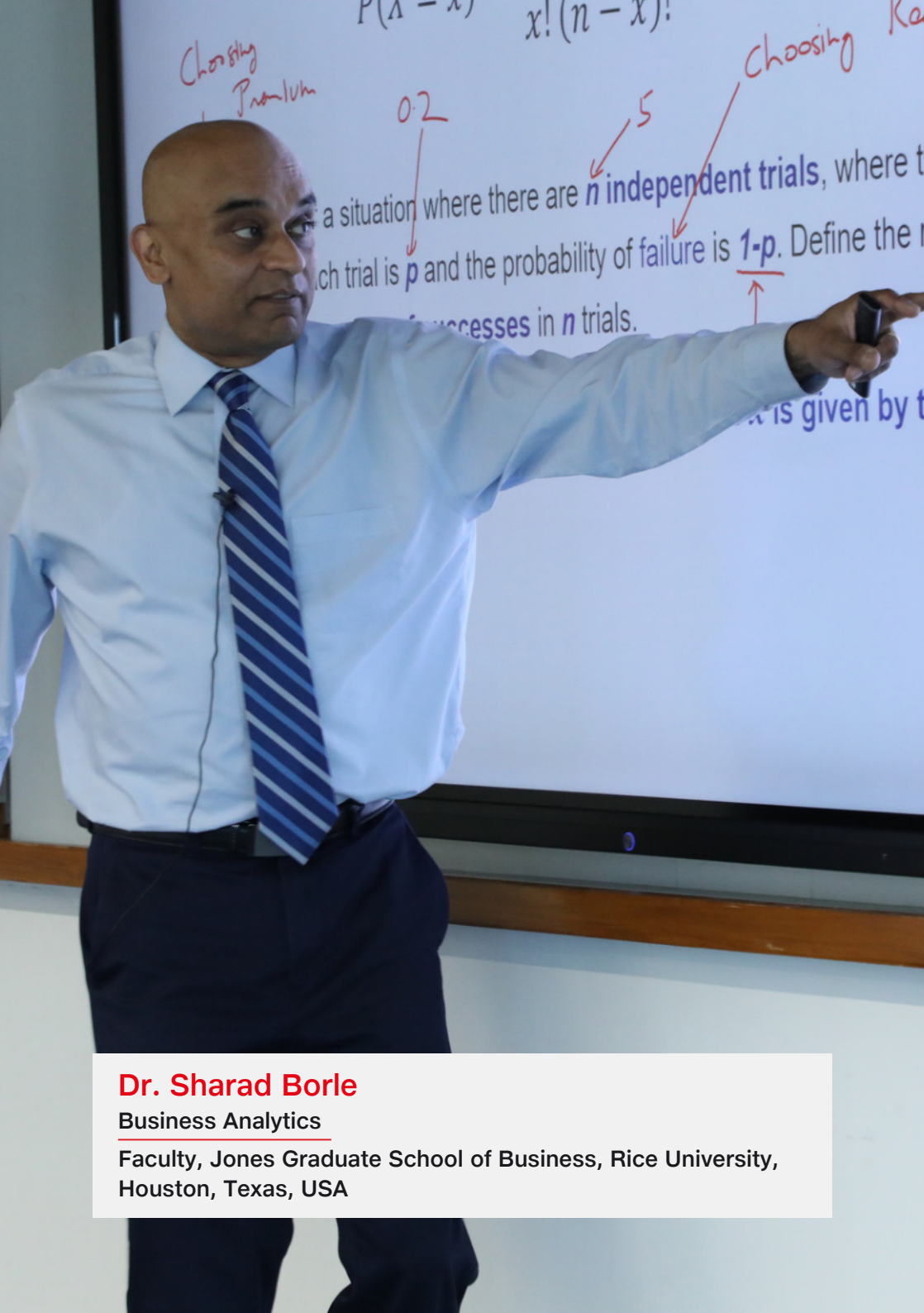
ICF Certified Executive Coach Visiting Professor/
Interview Panel Board Member - IIFT (AACSB accredited)

Mr. Anurag Mishra

ICF Certified Executive Coach Visiting Professor/ Interview Panel Board Member - IIFT (AACSB accredited)

Mr Mishra is an IF Certified Executive Coach and is accredited with Advanced Coach credentials (PCC) from International Coaching Federation (IC). A visiting professor at leading educational institutions, he comes with over two decades of professional experience in the telecom, banking & financial services and media industries. He has handled industry verticals like M&D, BFSI, IT/ITEs, and Media as a B2B/B2C business at various leadership levels.

He has served on the interview panel board of premier educational institutions, including an AACSB-accredited institution for its flagship programmes, and is a mentor to MBA (1st Year) students at one of the Indian Institutes of Managements. He is certified in International Assessment tools such as like EQi -2.0/EQ 360 and MIT's Theory U and is also a certified Enneagram Practitioner.



Dr. Sharad Borle

Business Analytics

Faculty, Jones Graduate School of Business, Rice University, Houston, Texas, USA

Dr. Sharad Borle

Faculty, Jones Graduate School of Business, Rice University, Houston, Texas, USA

Dr. Bore holds a PhD from Carnegie Mellon University, USA, and an MBA from XLRI Institute of Management and a BTech from the IIT (BHU), in India. His expertise lies in business statistics and data analytics, and his research centers around the core discipline of applying 'Bayesian Econometrics' to a variety of settings.

Dr. Borle is a visiting faculty at the Indian School of Business, Hyderabad, and the Sasin Institute of Management, Bangkok, and teaches various quantitative courses in the business programmes at these schools. He has consulted with a variety of organizations in the past and is currently involved in analysing the impact of social media on players' on-field performance for a major sports leagues in the USA.



Dr. Michele Guindani

Probability and Statistics

Professor, Dept. of Statistics, University of California, Irvine, USA

Dr. Michele Guindani

Professor, Dept. of Statistics, University of California, Irvine, USA

Dr. Guindani received his PhD in Statistics from Università Bocconi (Milan, Italy) in 2005. Prior to joining UCI in Fall 2016, he held faculty positions in the Department of Mathematics & Statistics at the University of New Mexico (2007–10) and in the Department of Biostatistics at the University of Texas MD Anderson Cancer Center (2010–16).

Dr. Guindani is a Fellow of the American Statistical Association (ASA), and he has served as editor-in-chief of the journal Bayesian Analysis (2019–21).



Mr. Manaranjan Pradhan

Big Data Engineering | Advanced topics in Bigdata Engineering

Adjunct Faculty at Indian Institute of Management, Bangalore and Indian School of Business, Hyderabad
Freelance Consultant – Machine Learning & Big Data Engineering

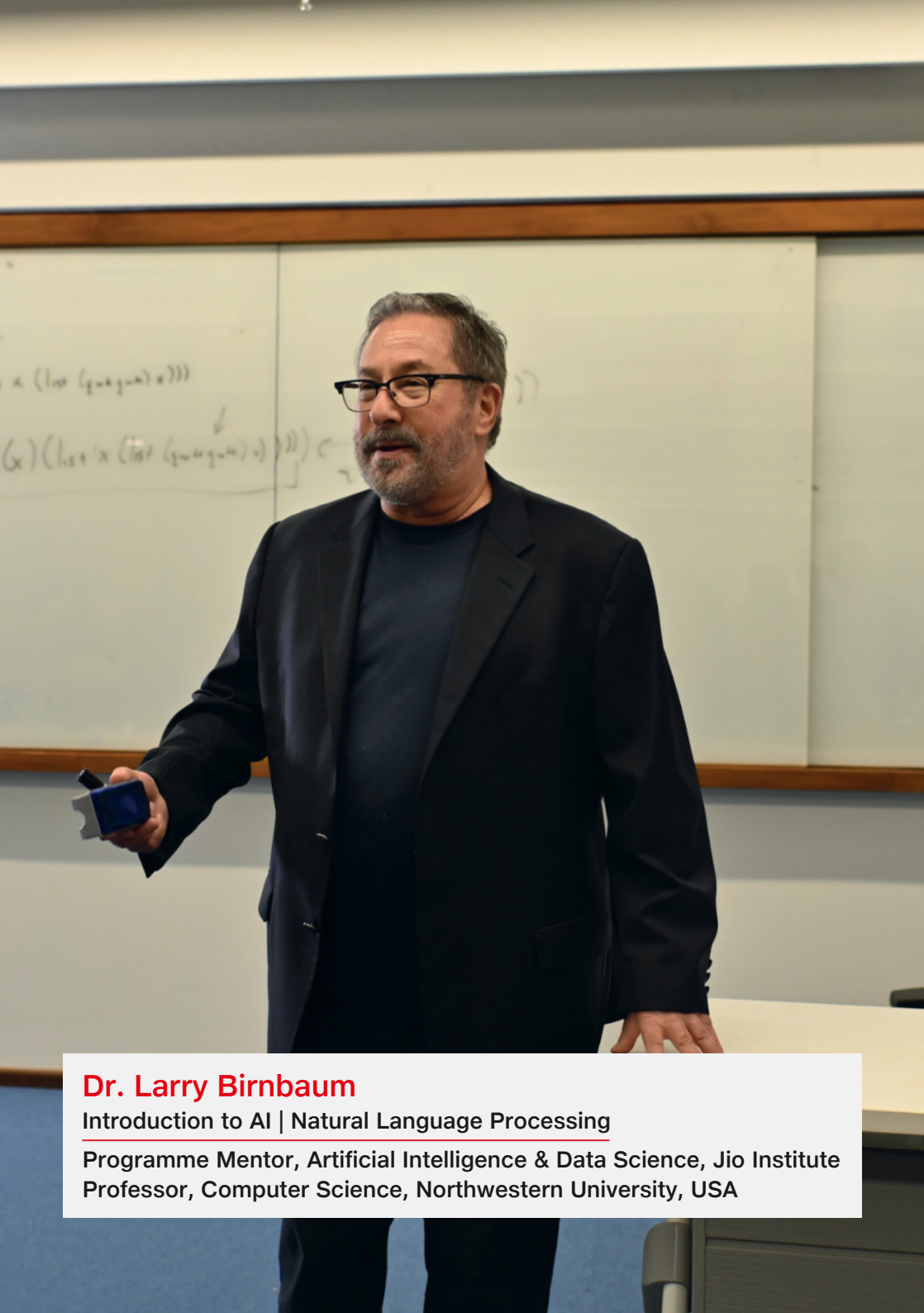
Mr Manaranjan Pradhan

Faculty for Indian Institute of Management, Bangalore and Indian School of Business, Hyderabad

Freelance Consultant – Machine Learning & Big Data Engineering

Mr Pradhan, an IIM Bangalore alumnus, has about 20 plus years of industry experience working with big data and machine learning. In the past, he has worked with TCS, HP and iGATE. He has also worked on large-scale project implementations for customers like Motorola, Home Depot, CKWB Bank, P&G in the roles of solution and technical architect.

Mr Pradhan also has been teaching big data and machine learning for over seven years and has trained more than 1,000 people from several large MNCs, including EMC, CISCO, TESCO, HP, YODLEE, Goldman Sachs, Software AG, Amadeus, Cognizant, Capgemini, Accenture, etc.



Dr. Larry Birnbaum

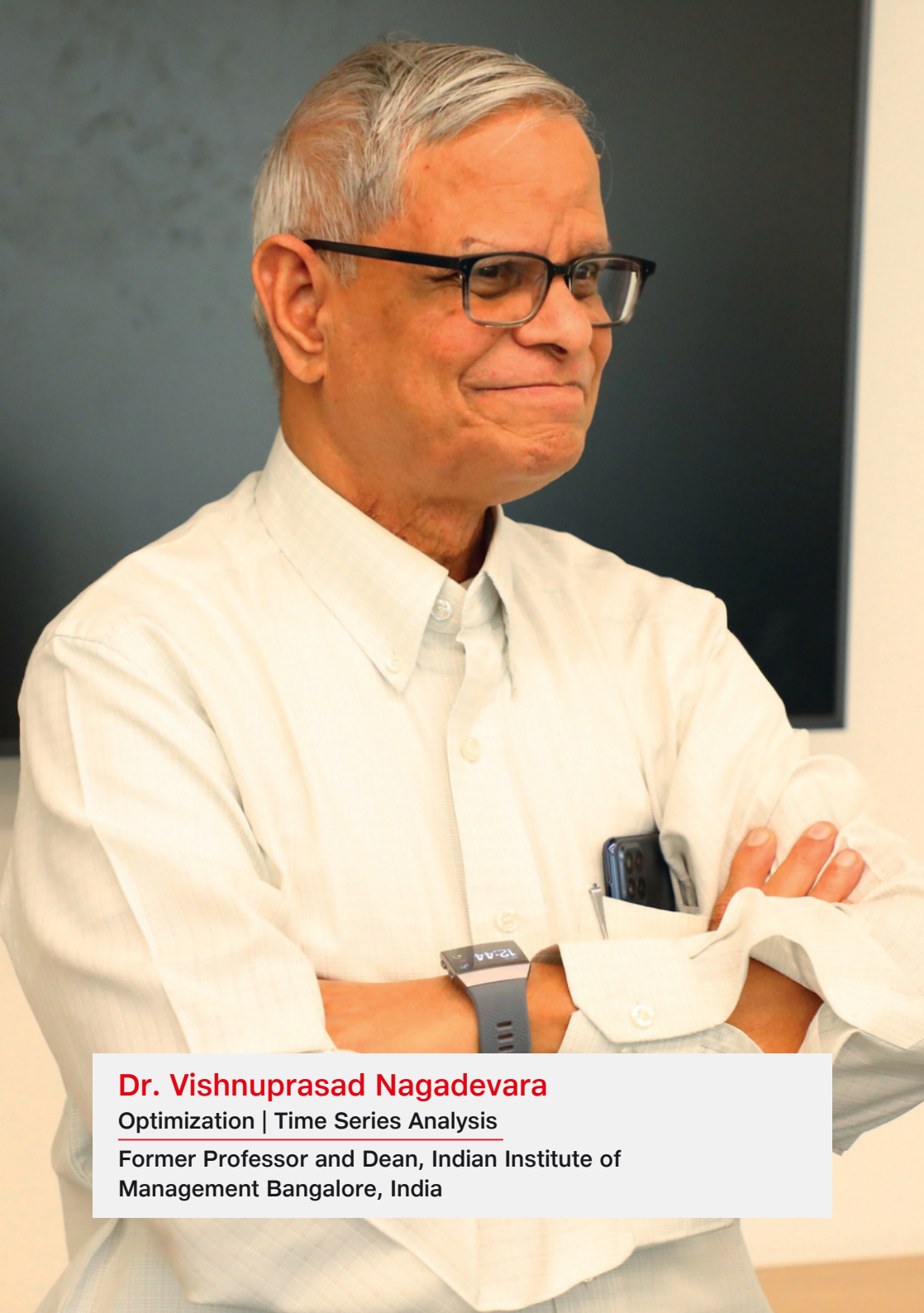
Introduction to AI | Natural Language Processing

Programme Mentor, Artificial Intelligence & Data Science, Jio Institute
Professor, Computer Science, Northwestern University, USA

Dr. Larry Birnbaum

Programme Mentor, Artificial Intelligence & Data Science,
Jio Institute
Professor, Computer Science, Northwestern University, USA

Dr. Birnbaum is also the co-founder and chief scientific advisor, Narrative Science. His research and teaching focus on applied artificial intelligence, natural language processing (NLP), intelligent information systems, social media data analytics, machine learning, with applications to media and journalism. A key focus is on preference predication and recommendation using social media data. More generally, projects in Larry's lab are aimed at automating and supporting all aspects of the 'content pipeline', including research, content generation, content distribution, and user interaction with content.



Dr. Vishnuprasad Nagadevara

Optimization | Time Series Analysis

Former Professor and Dean, Indian Institute of Management Bangalore, India

Dr. Vishnuprasad Nagadevara

Former Professor and Dean, Indian Institute of Management
Bangalore, India

Dr. Nagadevara's current research interests include business analytics, specifically, data mining techniques and applications, application of operations research techniques, project management, supply chain management, project evaluation, and information technology applications.

Dr. Nagadevara received his PhD from Iowa State University, USA, in Economics and Operations Research, and enjoyed a long and distinguished teaching career at the Indian Institute of Management, Bangalore, with brief stint at Iowa State University and Woxsen School of Business, Hyderabad. Besides, he was also involved in consultancy projects for various organizations such as UNDP, WIPRO, POWERGRID, ETA (UAE), WiseScope (UAE) NABARD, Government of India, Central Silk Board, Government of Karnataka, Karnataka Housing Board, NCDC, Fidelity, PSC, etc.

Dr. Nagadevara has to his credit more than 100 research articles published in India and abroad relating to his research. He was felicitated with the "Lifetime Achievement Award" by the SRISIIM Foundation, New Delhi, in April 2013.



Dr. Divyakant Agrawal

Databases & Data Warehouses

Distinguished Professor, University of California, Santa Barbara, USA

Dr. Divyakant Agrawal

Distinguished Professor, University of California, Santa Barbara, USA

Dr. Agrawal's research expertise lies in the areas of database systems, distributed computing, data warehousing and large-scale information systems. His research philosophy is to develop data management solutions that are theoretically sound and are relevant in practice.

During his professional career, he has served on numerous programme committees of international conferences, symposia, and workshops. He currently serves as the editor-in-chief of Distributed and Parallel Databases and is on the editorial boards of ACM Books. He has published more than 400 research papers in prestigious forums on wide range of topics and has advised more than 40 doctoral students during his academic career.

Dr. Agrawal has been recognized as an Association of Computing Machinery (ACM) Distinguished Scientist in 2010 and was inducted as an ACM Fellow in 2012. He has also been inducted as a Fellow of IEEE in 2012 and Fellow of the AAAS in 2018.



Dr. Shailesh Kumar

Machine Learning | Graph & Network Thinking

Programme Mentor, Artificial Intelligence & Data Science, Jio Institute
Chief Data Scientist, Center of Excellence in AI/ML, Reliance Jio

Dr. Shailesh Kumar

Chief Data Scientist, Center of Excellence in AI/ML, Reliance Jio

Dr. Kumar was recognized as one of the top 10 data scientists in India in 2015 by Analytics India Magazine. He has to his credit over 20 international papers and book chapters and holds more than 20 patents in AI/ML.

Dr. Kumar was formerly the vice president at Ola Cabs, where he worked on several computer science, machine learning, artificial intelligence and optimization issues in fleet management. He was also the chief scientist and co- founder of Third Leap, an EdTech start-up that uses AI to create personalized math guides. Prior to this, Dr Kumar worked at Google on a variety of products involving information retrieval, enterprise search, legal e-discovery, natural language understanding, computer vision, knowledge graph mining, conversation modelling, and deep learning on text and vision. His experience of creating AI-based solutions comprises multiple domains including finance, retail, remote sensing, knowledge graph, conversational computing and computer vision.



Dr. Gaurav Aggarwal

Deep Learning

Research Scientist, Google

Dr. Gaurav Aggarwal
Research Scientist, Google

Dr. Aggarwal's interests lie in machine learning and computer vision. At Google, his team works in pursuit of models that are inherently data and compute efficient, interpretable, amenable to continuous learning and generalize gracefully to unseen distributions, with applications in preventive healthcare, agriculture and assistance for people with visual disability.

Prior to Google, he worked at Ola Cabs as the head of data science. He has helped in setting up a technology start-up, Fashiate, that was acquired by Snapdeal, an ecommerce marketplace. He has previously worked as a senior research scientist at Yahoo Labs and as an assistant professor at the University of Notre Dame.



Dr. Vidya Setlur

Data Visualization

Director, Tableau Research, USA

Dr. Vidya Setlur

Director, Tableau Research, USA

Dr. Setlur leads an interdisciplinary team of research scientists in areas including data visualization, multimodal interaction, statistics, applied machine learning and natural language processing. Her personal research interests lie at the intersection of natural language processing and computer graphics. She combines concepts and methods from information retrieval, human perception and cognitive science to help users effectively interact with devices and information in their environment. A significant portion of her work covers the investigation, prototyping and evaluation of such novel concepts.

She earned her doctorate in Computer Graphics in 2005 from Northwestern University. Prior to joining Tableau, she worked as a principal research scientist at the Nokia Research Center for seven years.



Dr. Dwarikanath Mahapatra

Computer Vision

Senior Research Scientist at the Inception Institute of Artificial Intelligence, Abu Dhabi, UAE

Dr. Dwarikanath Mahapatra

Senior Research Scientist at the Inception Institute of Artificial Intelligence, Abu Dhabi, UAE

Dr. Mahapatra's research interests are in applying artificial intelligence and deep learning to computer vision and medical image analysis, such as explainable AI, disease detection, classification, segmentation, image registration and synthetic image generation. He has expertise in multiple medical image analysis domains such as digital histopathology, retinal fundus and OCT, chest X- ray and cardiac MRI.

He has co-authored more than 90 papers in the area of medical image analysis, published in top conferences and journals in his field of research. Currently, he leads teams working on OCR, sign language translation and medical image analysis.

Dr. Mahapatra has a bachelor's degree in Electrical Engineering from NIT Rourkela and received his PhD from NUS, Singapore, specializing in the field of medical image analysis. He also worked as a post-doctoral research fellow at ETH Zurich and as a research scientist at IBM Research, Melbourne.



Dr. Jagmohan Chauhan

Speech Processing

Assistant Professor, University of Southampton
Visiting Researcher, University of Cambridge

Dr. Jagmohan Chauhan

Assistant Professor, University of Southampton

Visiting Researcher, University of Cambridge

Dr. Chauhan's primary research interest lies in embedded machine learning (Tiny ML), machine learning for health, and mobile/ubiquitous computing systems using commodity sensing (mainly acoustics/AR/VR) for healthcare.

He was a postdoctoral researcher in Mobile Systems Group at the University of Cambridge. He received his PhD from the School of Electrical Engineering and Telecommunications, UNSW, Australia, and Data61 (CSIRO), Australia, under the supervision of Dr. Aruna Seneviratne in Usable Security in 2018.

He is presently working towards building efficient and scalable audio/acoustics-based techniques for pulmonary health and cancer. He is also involved in designing machine learning solutions for effective predictive outcomes in urology, colorectal surgery and inflammatory bowel diseases (big data and genomics).



Mr. Sray Agarwal

Responsible AI

Director Data Science, Fractal AI

Mr Sray Agarwal

Director Data Science, Fractal AI

Mr Agarwal's work focuses on applying artificial intelligence and analytics to various sectors, such as financial services and hospitality, and he has led the development of Responsible AI framework for multiple banks in the UK and the USA. He is conversant in predictive modelling, forecasting and advanced machine learning, and an in-depth knowledge of algorithms and advanced statistic.

He is an active blogger and has given talks on Ethical AI at major AI conferences across the globe (more than 20). His podcasts, video interviews and lectures also find mention on the website and social media handles of United Nations, Microsoft, ODSC, to name a few. His contribution to the development of the technology was recognized by Microsoft when he won the Most Valued Professional in AI award in 2020 and 2021. He is also an expert for UN/CEFACT and has recently authored a book on Responsible AI published by Springer.



Dr. Amy Schwartz

Design Thinking

Adjunct Lecturer, Segal Design Institute, Northwestern University, USA

Dr. Amy Schwartz

Adjunct Lecturer, Segal Design Institute, Northwestern University, USA

For over 30 years, Dr. Schwartz has used her training as a cognitive psychologist to humanize technology and has applied her expertise in human-centred design across a wide range of challenges. She is a frequent speaker and coach for this human-centered approach to innovation. She spent 20 years at the design innovation consultancy IDEO, where she led the design research for some of IDEO's most innovative and successful designs.

Dr. Schwartz has worked with a wide variety of clients, from start-ups to industry giants like Baxter, Eli Lilly and American Express as well as clients in the governmental and public sectors. She is the Design Researcher in Residence at MATTER, the Chicago health-tech incubator where she advises and mentors teams on design research and rich and centered design. She is part of the Chicago Innovation Mentor Network, based at MATTER. She consults as a Principal at Empathic Innovation, LLC.



Dr. Sudipta Roy

Research Thinking

Assistant Professor, Artificial Intelligence & Data Science,
Jio Institute, India

Dr. Sudipta Roy

Assistant Professor, Artificial Intelligence & Data Science, Jio Institute, India

Dr. Roy received his doctoral, master's and bachelor's degrees from the Department of Computer Science and Engineering, University of Calcutta. He was a postdoctoral research associate at Washington University in St. Louis, MO, USA.

Dr. Roy has authored more than 50 publications in refereed international journals, and authored/edited five books and many book chapters. He holds a US patent in medical image processing and has filed an Indian patent in smart agricultural system. He has served as international advisory and programme committee member of INDIAcom-2020, AICAE-2019, INDIACom-2019, and many more conferences.

Currently, serves as an associate editor of IEEE Access (IEEE), International Journal of Computer Vision and Image Processing (IJCVIP-IGI Global), PLOS One, and topic editor of Journal of Imaging (MDPI). In recognition of his exceptional contributions to the IEEE Access journal, the IEEE Access Editorial Board and Editorial Office honored him as an Outstanding Associate Editor of 2020.



Dr. Matthew T. Brown

Sports Finance

Department Chair & Associate Professor, Sport and Entertainment Management, University of South Carolina, USA

Dr. Matthew T. Brown

Department Chair & Associate Professor, Sport and Entertainment Management, University of South Carolina, USA

Matthew T. Brown teaches and researches in the areas of sport business and finance. Brown's research has led to publications in journals like the Journal of Sport Management, Sport Marketing Quarterly, Entertainment and Sport Law Journal, the International Journal of Sport Finance, and Sport Management Review. In addition, he has made numerous national and international research presentations.

Brown currently serves as the chair of the Department of Sport and Entertainment Management. During the 2020-2021 academic year he served as Interim Dean of the College of Hospitality, Retail and Sport Management. Prior to that time, he served seven years as department chair and three as graduate director.

Brown has been a liaison between the department and the Lexington County Blowfish, a wood bat baseball team in the Coastal Plain League. In addition to his work with the Blowfish, Brown has served as the chief financial officer of the Southern Ohio Copperheads and treasurer of the Board of Directors of the Southern Ohio Collegiate Baseball Club. He was also the assistant girls varsity and head girls junior varsity tennis coach at Athens High School. In 2004, the team won its league championship.

Brown also worked in campus recreation, collegiate athletics (as both coach and administrator), and tennis club management. He served as the treasurer of the North American Society for Sport Management from 2006 to 2012. In 2003, Brown was named the Jefferson College Alumnus of the Year. He received the Garth Paton Distinguished Service Award from the North American Society for Sport Management in 2018.



Dr. Varun Aggarwala

Probability & Statistics

Assistant Professor, Jio Institute

Dr. Varun Aggarwala

Assistant Professor, Jio Institute

Dr Varun Aggarwala is an Assistant Professor of Biomedical and Life Sciences and Principal Investigator of the Microbiome Therapeutics laboratory at the Jio Institute.

Varun performed his doctoral research at the Perelman School of Medicine of University of Pennsylvania, and modeled the variation in human germline mutation rate to identify disease causing genes, personalized variants and underlying mutagenesis biology. He furthered his training in precision therapeutics at the Icahn School of Medicine of Mount Sinai Hospital, and modeled the transmission of commensal gut microbes in the context of Fecal Transplants for infectious and inflammatory bowel diseases. His research resulted in identification of a cocktail of microbes as a defined live biotherapeutics product in lieu of whole stool transplants, which is now being evaluated in clinical trials. Varun did his Masters in Computer Science from University of Pennsylvania and has a BTech in Computer Science and Engineering from IIT Guwahati.

Dr. Aggarwala's laboratory at the Jio Institute is addressing open problems at the interface of microbiome, public health and biotherapeutics. His research group will leverage the unique Indian genetics, microbes, diet, rapid urbanization, endogamic caste diversity alongwith digital health revolution and Reliance parivar's ecosystem to address unique public and precision health challenges at scale, and contribute to the Aatmanirbhar Bharat mission in this Amrit Kal.



Dr. Ankita Bansal

Assistant Professor, Jio Institute

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Dr. Ankita Bansal is Assistant Professor of Biomedical & Life Sciences and Principal Investigator of the Cancer Metabolism and Therapeutics laboratory.

Ankita earned her doctorate at the University of Massachusetts Medical School, where she used the nematode C. elegans as a model system to study the genetics of aging. Her research emphasized the significant physiological differences between healthspan and elongated lifespan, and found that the genes regulating longevity are different from those implicated in health. This highly cited work had a profound influence in the field of aging research.

Ankita continued her training at the Icahn School of Medicine at Mount Sinai and Perelman School of Medicine at University of Pennsylvania, and discovered novel pathways and combinatorial approaches to target tumor cells by limiting their nutrient availability. At the Jio Institute, her laboratory would investigate dependencies in metabolically reprogrammed cancer cells and pursue these targets for precision therapeutics.

Ankita has a deep passion for technology transfer and turning scientific advancements into useful tangible products for our patients. She has worked extensively at the top academic incubation and technology transfer centers at the University of Massachusetts, Pennsylvania, and Mount Sinai, and wants to bridge the gap between academic research prototypes and final products. She wants to build on her academic and technology transfer experience to support the Aatmanirbhar Bharat initiative at the Jio Institute.



Dr. Samik Mukherjee

Assistant Professor, Jio Institute

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Assistant Professor, Jio Institute

Dr. Samik Mukherjee is an Assistant Professor, at the Jio Institute, Navi Mumbai, India, specializing in the field of semiconductor science and technologies. He has a diverse academic background, holding graduate and postgraduate degrees in Physics, Radiophysics and Electronics, and Applied Sciences from reputed universities in India and France. In 2017, he completed his Ph.D. from the Nano and Quantum Semiconductor Laboratory, at Ecole Polytechnique, Montreal (Canada), where he demonstrated the impact of stable semiconductor isotopes on fundamental properties of nanoscale semiconductors. Thereafter, he served as a postdoctoral researcher in Canada, the USA, and Germany, working on advanced fundamental topics as well as industry-oriented projects.

Over the years, his accomplishments have yielded a deeper understanding of the growth and fundamental properties of technologically relevant nanostructured semiconductors and paved the path to the development of exciting and new applications. His research is highlighted in peer-reviewed publications, across several high-impact journals and internationally acclaimed conferences. His research expertise is in the epitaxial growth of semiconductors using a variety of deposition techniques; advanced characterization of materials by employing a wide range of microscopy, spectroscopy, and tomography techniques; device nanofabrication and their performance optimization; to name a few.

He is currently invested in harnessing novel phenomena in nano- and quantum-scale semiconductors, to achieve superior functionalities with potential impact on nanoelectronics, optoelectronics, photonics, clean energy harvesting, bio-integrable technologies, quantum technologies, and many more.



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All days between 9:00 a.m. and 7:00 p.m. IST